



10/627276 Examiner: GRAVINI, STEVE GAU: 3749  
 Inventor: LICKISS, CHRIS, et al Classification: 034/601.000  
 Status: 121 - APPEAL BRIEF (OR SUPPLEMENTAL BRIEF) ENTERED AND FORWARDED TO EXAMINER  
 Title: CLOTHES DRYER WITH CONTROL PANEL SEAL

Application Messages (2 items sorted by Date in Ascending order)

Date	Code	Status	Status2	Receiver	Team	Text
12/01/2004	LET.	closed		VDOUGLAS	3700TSS01 LJE	FAX
02/23/2005	ADHO C	forwarded		SGRAVINI	3749Exam ation	T.D. was apprvd.

## Gravini, Steve

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**From:** Horrigan, Jeanne (ASRC)  
**Sent:** Thursday, April 07, 2005 11:00 AM  
**To:** Gravini, Steve  
**Subject:** Search results for serial 10/627276

Hi Steve,

I went ahead and did a search for the control panel door seal, and the results are attached. I underlined titles of references that I thought were most helpful. Also, I am sending you by interoffice4 mail some other useful references I found but did not succeed in putting into an electronic document.



invfull.rtf

I hope the results are useful. If you would like me to refocus or modify the search, I will be happy to do so. If you have any questions about the results, please feel free to contact me by email, at phone 23529, or in my office in EIC3700 in RND8B31.

Best regards,  
*Jeanne Horrigan*  
*ASRC Searcher*  
*EIC3700*

## Gravini, Steve

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**From:** Horrigan, Jeanne (ASRC)  
**Sent:** Thursday, April 07, 2005 11:15 AM  
**To:** Gravini, Steve  
**Subject:** RE: Your search request for serial 10/627276

Hi Steve,

I went ahead and did the search before I got this response and I think I pretty much covered everything except using the terms tumble, tumbler, tumbling drum, and dabinet enclosure. I will rerun the search with these terms and see if I come up with anything new. Meanwhile, I hope the results I sent you are useful.

Best regards,  
Jeanne Horrigan

-----Original Message-----

**From:** Gravini, Steve  
**Sent:** Thursday, April 07, 2005 11:09 AM  
**To:** Horrigan, Jeanne (ASRC)  
**Subject:** RE: Your search request for serial 10/627276

My response is after each question below, thanks for your help...

-----Original Message-----

**From:** Horrigan, Jeanne (ASRC)  
**Sent:** Wednesday, April 06, 2005 10:28 AM  
**To:** Gravini, Steve  
**Subject:** Your search request for serial 10/627276

Hi Steve,

I'm working on your search request for the control panel door seal. I have just a few questions, the answers to which will help me focus on the results you want. Here are my questions:

- After reading your request, seeing the drawings, and reading the specification for this application, I am still a bit confused about the location of the seal. In the drawing number 3 it looks to me like the seal is between the upper door and the control panel, abutting the door seal. Is this right?
- **[Gravini, Steve]** yes, the seal just need be on the door
- What absolutely MUST be in a reference for it to be useful to you?
  - \*\* Must the seal be BETWEEN a door and the control panel. **[Gravini, Steve]** yes on the door (claim 1)
  - \*\* Must the seal be PART OF the door seal or ATTACHED TO the door seal? **[Gravini, Steve]** it need not be part of to door seal or attached (claim 8)
- Can the application be for ANY appliance (home or industrial), so long as it involves heat and/or moisture? **[Gravini, Steve]** yes
- I found the following synonyms. Are there any here that you would delete?
  - \*\* Dryer: drier, drying machine, oven, dishwasher, dish washer, (dishwashing or dish washing) (with) machine, white goods, major appliance, home appliance, household appliances, dry cleaning machine **[Gravini, Steve]** all good, none to delete
  - \*\* Seal: sealant, sealing, gasket, packing, (airtight or watertight or water tight or waterproof or hermetic or impermeable) (with) closure **[Gravini, Steve]** all good, none to delete
  - \*\* Control panel: control board, instrument panel, instrument board, panel (near) switches or dials **[Gravini, Steve]** probably delete instrument panel/board
- Are there any other synonyms, jargon, or terms of art that you want included in the search strategy? **[Gravini, Steve]** (tumble tumbler tumbling drum) and (cabinet enclosure) are good BRS synonyms, used in my EAST search

The following are mainly yes/no questions:

- In addition to non-patent literature, do you want foreign patents searched? **[Gravini, Steve]** yes, please
- Do you want the usual tagged and highlighted results? **[Gravini, Steve]** yes, please
- Do you want to see the results of the mandatory inventor search? **[Gravini, Steve]** yes, please
- Do you want results limited to those published before the priority date of 7/25/2003? **[Gravini, Steve]** no, especially since the inventive entity is MAYTAG
- If not, is there any date limit you want me to use? **[Gravini, Steve]** 10/4/04

I look forward to hearing from you.  
Best regards,

Jeanne Horrigan  
ASRC Searcher  
EIC3700  
Phone 2-3529

## Gravini, Steve

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**From:** Horrigan, Jeanne (ASRC)  
**Sent:** Thursday, April 07, 2005 11:47 AM  
**To:** Gravini, Steve  
**Subject:** RE: Your search request for serial 10/627276

You're very welcome

-----Original Message-----

**From:** Gravini, Steve  
**Sent:** Thursday, April 07, 2005 11:16 AM  
**To:** Horrigan, Jeanne (ASRC)  
**Subject:** RE: Your search request for serial 10/627276

Thanks Jeanne! Your search help is greatly appreciated.

-----Original Message-----

**From:** Horrigan, Jeanne (ASRC)  
**Sent:** Thursday, April 07, 2005 11:15 AM  
**To:** Gravini, Steve  
**Subject:** RE: Your search request for serial 10/627276

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**Subject:** Your search request for serial 10/627276

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- **[Gravini, Steve]** yes, the seal just need be on the door
- What absolutely **MUST** be in a reference for it to be useful to you?
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  - \*\* Must the seal be **PART OF** the door seal or **ATTACHED TO** the door seal?
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- it involves heat and/or moisture? **[Gravini, Steve]** yes
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    - \*\* Seal: sealant, sealing, gasket, packing, (airtight or watertight or water tight or waterproof or hermetic or impermeable) (with) closure **[Gravini, Steve]** all good, none to delete
    - \*\* Control panel: control board, instrument panel, instrument board, panel(near)switches or dials **[Gravini, Steve]** probably delete instrument panel/board
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The following are mainly yes/no questions:

- In addition to non-patent literature, do you want foreign patents searched? **[Gravini, Steve]** yes, please
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- Do you want to see the results of the mandatory inventor search? **[Gravini, Steve]** yes, please
- Do you want results limited to those published before the priority date of 7/25/2003? **[Gravini, Steve]** no, especially since the inventive entity is MAYTAG
- If not, is there any date limit you want me to use? **[Gravini, Steve]** 10/4/04

I look forward to hearing from you.  
Best regards,

Jeanne Horrigan  
ASRC Searcher  
EIC3700  
Phone 2-3529

## Gravini, Steve

---

**From:** Horrigan, Jeanne (ASRC)  
**Sent:** Thursday, April 07, 2005 2:40 PM  
**To:** Gravini, Steve  
**Subject:** Search results for second search for serial 10/627276

Hi Steve,

Attached are most of the results of the second search for the control panel door seal, including the terms tumble/tumbler/tumbling/cylinder. I am also sending by interoffice mail 2 items I found in espacenet. I hope all this is useful.



ALLFINAL.rtf

Best regards,  
Jeanne Horrigan

File 8: Ei Compendex(R) 1970-2005/Mar W4  
(c) 2005 Elsevier Eng. Info. Inc.  
File 2: INSPEC 1969-2005/Mar W4  
(c) 2005 Institution of Electrical Engineers  
File 34: SciSearch(R) Cited Ref Sci 1990-2005/Mar W4  
(c) 2005 Inst for Sci Info  
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

Set	Items	Description
S1	0	AU=LICKISS C? OR AU=LICKISS, C?
S2	2	AU=(TREMEL C? OR TREMEL, C?)
S3	203	AU=KEELER J? OR AU=KEELER, J?
S4	1877	AU=JOHNSONT? OR AU=JOHNSON, T?
S5	5160	AU=ROBERTS, M? OR AU=ROBERTS M?
S6	0	AU=VANDER SCHEL B? OR AU=VANDER SCHEL, B?
S7	0	AU=VANDERSCHEL B? OR AU=VANDERSCHEL, B?
S8	0	AU=SCHEL B? OR AU=SCHEL, B?
S9	0	AU=VANDER HEIDEN D? OR AU=VANDER HEIDEN, D?
S10	4	AU=VANDERHEIDEN D? OR AU=VANDERHEIDEN, D?
S11	22	AU=HEIDEN D? OR AU=HEIDEN, D?
S12	161428	SEAL???? OR GASKET? OR PACKING? OR BLOCKING() STRIP? ?
S13	5320	(CONTROL OR INSTRUMENT) () (PANEL? ? OR BOARD? ?) OR PANEL? - ?(2N) (DIALS OR SWITCHES OR KNOBS OR CONTROLS)
S14	0	S1:S11 AND S12 AND S13
S15	44	S1:S11 AND S12
S16	36	RD (unique items)
S17	36	Sort S16/ALL/PY,A [not relevant]
S18	16522	DRYER? ? OR DRIER? ? OR DRYING() (MACHINE? ? OR APPLIANCE? - ?)
S19	1	S1:S11 AND S18 [not relevant]

File 350: Derwent WPIX 1963-2005/UD,UM &UP=200521  
(c) 2005 Thomson Derwent  
File 349: PCT FULLTEXT 1979-2005/UB=20050331,UT=20050324  
(c) 2005 WIPO/Univentio  
File 348: EUROPEAN PATENTS 1978-2005/Mar W04  
(c) 2005 European Patent Office

Set	Items	Description
S1	699	PA='MAYT-N' OR PA='MAYTAG' OR PA='MAYTAG CO':PA='MAYTAGE C- ORP (MAYT-N) '
S2	4	AU=LICKISS C?
S3	8	AU=TREMEL C?
S4	62	AU=KEELER J?
S5	1471	AU=JOHNSON T?
S6	882	AU=ROBERTS M?
S7	1	AU='VANDER SCHEL B R'
S8	2	AU='VANDER HEIDEN D' OR AU='VANDER HEIDEN D D'
S9	7	AU='HEIDEN D' OR AU='HEIDEN D V'
S10	40	S1 AND S2:S9
S11	1053480	PANEL? ? OR BOARD? ?
S12	1047361	SEAL???? OR GASKET? ? OR PACKING? ?
S13	1	S10 AND S11 AND S12
S14	8	S10 AND S12
S15	7	S14 NOT S13
S16	43	S2:S9 AND S11 AND S12
S17	3	S11(3N)S12 AND S16
S18	3	S17 NOT S13:S14



13/7/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

016766478 \*\*Image available\*\*  
WPI Acc No: 2005-090754/200510

Combination tumble and cabinet clothes dryer has seal provided on cabinet door and sealingly engages control panel when cabinet door is closed

Patent Assignee: MAYTAG CORP ( MAYT-N)  
Inventor: JOHNSON T A ; KEELER J M ; LICKISS C P ; ROBERTS M C ;  
TREMEL C J ; VANDER HEIDEN D D ; VANDER SCHEL B R ; VANDER H D D

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050016016	A1	20050127	US 2003627276	A	20030725	200510 B
CA 2469532	A1	20050125	CA 2469532	A	20040528	200513

Priority Applications (No Type Date): US 2003627276 A 20030725

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050016016	A1		6	F26B-011/02	
CA 2469532	A1	E		D06F-058/28	

Abstract (Basic): US 20050016016 A1

NOVELTY - The combination dryer (10) includes a tumble dryer mounted in a housing, a cabinet dryer (14) built into the housing, a cabinet door (20) for providing access to the cabinet dryer, a control panel (22) on the housing to control operation of the tumble and cabinet dryers, and a seal on the cabinet door sealingly engaging the control panel when the cabinet door is closed.

DETAILED DESCRIPTION - The combination dryer also includes a tumble door for providing access to the tumble dryer.

USE - For drying clothes.

ADVANTAGE - Provides combination tumble and cabinet clothes dryer having doors which sealingly engage with control panel . Prevents migration of moisture to the control panel .

DESCRIPTION OF DRAWING(S) - The figure is an enlarged view showing the doors of the cabinet dryer open.

Combination dryer (10)

Cabinet dryer (14)

Cabinet door (20)

Control panel (22)

pp; 6 DwgNo 2/3

Derwent Class: Q76

International Patent Class (Main): D06F-058/28; F26B-011/02

15/TI/1 (Item 1 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Adaptive drain and purge system for dishwasher, has overflow tube which leads upwardly from filter chamber such that washing fluid can rise within overflow tube upon collection of soil in filter chamber

15/TI/2 (Item 2 from file: 350)  
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Dishwasher, has hinges that are provided on each side of door to provide

pivot axis and are fixed to frame, and hinges are positioned relative to tub by boss on each side of hub, and recess or hole in each hinge to receive boss

15/TI/3 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Front loading washer has a seal of bristles preventing passage of foreign objects from the inner tub to the outer tub

15/TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Washing machine has an opening sealing boot with a drain back into the tub

15/7/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

012216898 \*\*Image available\*\*

WPI Acc No: 1999-023004/199902

Vent seal for automatic dish washer - has flexible blocking strip that is deflected by applying heat, to block vent outlet

Patent Assignee: MAYTAG CORP ( MAYT-N)

Inventor: JOHNSON T M ; NESS B L

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5836324	A	19981117	US 97897818	A	19970721	199902 B
CA 2242168	A	19990121	CA 2242168	A	19980703	199927
CA 2242168	C	20010911	CA 2242168	A	19980703	200156

Priority Applications (No Type Date): US 97897818 A 19970721

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5836324	A		11	A47L-015/48	
CA 2242168	A			A47L-015/42	
CA 2242168	C	E		A47L-015/42	

Abstract (Basic): US 5836324 A

The seal has an elongated flexible blocking strip (74) that is mounted adjacent to the vent outlet (38) of the dish washer. The vent outlet is normally maintained in open state by disengaging the strip from the opening. The strip is deflected by applying heat to close the vent outlet.

ADVANTAGE - Prevents escape of heat, air or moisture from washing chamber. Improves sealing effect by adding gasket. Expands life span of seal.

Dwg.2/14

Derwent Class: P28; X27

International Patent Class (Main): A47L-015/42; A47L-015/48

15/7/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

010042433 \*\*Image available\*\*

WPI Acc No: 1994-310144/199438

**Mullion bar assembly for refrigerated cabinets - has tab extending from bracket and adapted to contact portion of two plastic liners so as to locate two non-magnetic sealing surfaces**

Patent Assignee: **MAYTAG CORP ( MAYT-N)**

Inventor: **ELLINGWOOD J C; JOHNSON T M**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5349832	A	19940927	US 9361004	A	19930514	199438 B

Priority Applications (No Type Date): US 9361004 A 19930514

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5349832	A		9 F25D-011/02	

Abstract (Basic): US 5349832 A

The bar assembly comprises two operatively associated with the interior wall circuits and defining two spaced apart non-magnetic **sealing** surfaces. A magnetic **gasket sealing** device is located on the movable door so that when the door closes the two chambers, the magnetic **gasket sealing** device contact the spaced apart non-magnetic **sealing** surfaces. Spaced apart magnets are located on the non-magnetic circuits so as to attract the magnetic **gasket sealing** device and urge it into **sealing** contact with the **sealing** surfaces.

A mullion bar is spaced from the magnets and extends between opposite sides of the refrigerator cabinet, the mullion bar located so as to extend between the spaced apart non-magnetic **sealing** surfaces and out of contact with the magnetic **gasket sealing** device so that the mullion bar is out of direct heat transfer relationship with the two chambers when the doors are closed.

ADVANTAGE - Prevents direct heat transfer between ambient atmosphere and respective compartments via mullion bar.

Dwg.2/7

Derwent Class: Q75; X27

International Patent Class (Main): F25D-011/02

15/7/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

009457744 \*\*Image available\*\*

WPI Acc No: 1993-151270/199318

**Adjustably rinse additive dispenser for dishwasher - includes knob assembly adjustably mounted in reservoir with peak path selectively positioned by turning assembly**

Patent Assignee: **COOPER R L (COOP-I); MAYTAG CORP ( MAYT-N)**

Inventor: **COOPER R L; JOHNSON T M**

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5205304	A	19930427	US 92821076	A	19920116	199318 B
CA 2070007	A	19930717	CA 2070007	A	19920529	199340
CA 2070007	C	19961001	CA 2070007	A	19920529	199650

Priority Applications (No Type Date): US 92821076 A 19920116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5205304	A		9	A47L-015/44	
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CA 2070007	A			A47L-015/44	
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CA 2070007	C			A47L-015/44	
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Abstract (Basic): US 5205304 A

The adjustable rinse additive dispenser includes a rinse additive reservoir mounted on the dishwasher door. A conduit provides a fill opening for adding rinse additive to the reservoir. A knob assembly includes a shaft extending into the conduit so as to seal the opposite ends of the conduit, and defines an annular chamber within the conduit. A trough is provided in the reservoir for holding a fixed quantity of rinse additive. A passageway provides communication between the trough and the annular chamber, and is normally closed by a plunger assembly.

During the last rinse cycle of the dishwasher, the plunger assembly is moved to an open position so as to allow rinse additive to flow from the trough into the annular chamber. A leak path is provided in the knob assembly so as to allow a selective amount of rinse additive to flow from the annular chamber into the washing compartment of the dishwasher.

ADVANTAGE - Quantity of additive dispensed from annular chamber can be varied by turning knob assembly such that angular position of leak path is raised or lowered.

Dwg.4/13

Derwent Class: P28; X27

International Patent Class (Main): A47L-015/44

18/TI/2 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

**RADIOTELEPHONE**

18/TI/3 (Item 1 from file: 348)

DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

**RADIOTELEPHONE**

18/3,AB,IC/1 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

01032630

**SUPPRESSING HEAT FLUX IN INSULATING GLASS STRUCTURES**

**SUPPRESSION DU FLUX THERMIQUE DANS DES STRUCTURES ISOLANTES EN VERRE**

Patent Applicant/Inventor:

JOHNSON Terry S , 2247 Meadowgreen Circle, Franktown, CO 80116, US, US  
(Residence), US (Nationality)

Legal Representative:

ROST Kyle W (agent), 5490 Autumn Court, Greenwood Village, CO 80111-3417,  
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200362578 A1 20030731 (WO 0362578)

Application: WO 2002US16795 20020529 (PCT/WO US0216795)

Priority Application: US 2001294498 20010529

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: E06B-003/24

International Patent Class: C03C-027/00; F24J-002/34

Publication Language: English

Filing Language: English

Fulltext Word Count: 11686

#### English Abstract

Inner (32) and outer (34) juxtaposed glazed panes are separated from each other by an interlayer containing a gas, and the gap between the panes is closed by a **seal** (48) near the perimeter of the panes. A thermally conductive, hermetically **sealed** receptacle (36) is positioned between the panes. The receptacle contains a phase change material (38) that reversibly absorbs, stores, and releases heat in response to temperature changes at least at one of the glazed panes.

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200521

(c) 2005 Thomson Derwent

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

Set	Items	Description
S1	150852	DRYER? ? OR DRIER? ? OR (DRYING OR DRY()CLEANING)() (MACHINE? ? OR APPLIANCE? ?) OR OVEN? ? OR DISHWASHER? ? OR DISH()WASHER? ? OR (DISH()WASHING OR DISHWASHING)() (MACHINE? ? OR APPLIANCE? ?) OR WHITE()GOODS OR MAJOR()APPLIANCE? ?
S2	964927	SEAL???? OR PACKING? ? OR GASKET? ? OR BLOCKING() (STRIP OR STRIPS)
S3	525	(AIRTIGHT OR AIR()TIGHT OR WATERTIGHT OR WATER()TIGHT OR WATERPROOF OR HERMETIC? OR IMPERMEABLE)() CLOSURE? ?
S4	65463	(CONTROL OR INSTRUMENT)() (PANEL? ? OR BOARD? ?) OR (ASSEMBLY OR ASSEMBLIES OR PANEL? ? OR BOARD? ?) (1N) (DIAL? ? OR SWITCH OR SWITCHES OR KNOB? ? OR CONTROL? ?)
S5	253084	DOOR? ?
S6	46527	IC=F26B?
S7	150	S2:S3(S)S4(S)S5
S8	13	S1 AND S7
S9	50548	(CONTROL OR INSTRUMENT) (1W) (PANEL? ? OR BOARD? ? OR ASSEMBLY OR ASSEMBLIES)
S10	130	S2:S3(S)S9(S)S5
S11	0	(S1 AND S10) NOT S8
S12	1	(S6 AND (S7 OR S10)) NOT S8

8/26,TI/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016228434

WPI Acc No: 2004-386323/200436

Gas oven range with apparatus for drawing food

8/26,TI/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

013334300

WPI Acc No: 2000-506239/200046

Topless microwave cooker for providing access to food in the cooker such as for stirring includes a perforated metal forming a microwave-opaque sliding door, side capacitor seal plates and door sides forming an inductive choke

8/26,TI/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

009457744

WPI Acc No: 1993-151270/199318

Adjustably rinse additive dispenser for dishwasher - includes knob assembly adjustably mounted in reservoir with peak path selectively positioned by turning assembly

8/19/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

013917648 \*\*Image available\*\*

WPI Acc No: 2001-401861/200143

XRPX Acc No: N01-296371

Microwave oven includes operation control circuit board accommodated in box-shaped space at projected section of heating chamber door and sealed with decorative sheet

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001124343	A	20010511	JP 99305045	A	19991027	200143 B

Priority Applications (No Type Date): JP 99305045 A 19991027

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001124343	A		5 F24C-007/02	

Abstract (Basic): JP 2001124343 A

NOVELTY - The drive unit (22) and operation control circuit (31) are connected through electric cable (21). The circuit board is accommodated in the box-shaped space (30) formed at the projecting section (19) of the door (18) of the heating chamber (17) and the space is sealed by a decorative sheet (35) affixed to door flange (36).

USE - Microwave oven with control board fitted to door.

ADVANTAGE - Since the control board is provided in the space outside heating chamber and sealed appropriately, electric short circuit due to water vapor deposition and dew formation, is eliminated. Also silicon cover for airtight sealing is eliminated, hence cost is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the exterior cross-section of the microwave oven . (Drawing includes non-English language text).

Heating chamber (17)  
Door (18)  
Projection section (19)  
Electric cable (21)  
Drive unit (22)  
Box-shaped space (30)  
Operation control circuit (31)  
Decorative sheet (35)  
Door flange (36)  
pp; 5 DwgNo 1/5

8/7/13 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

01213321 \*\*Image available\*\*

ELECTRONIC OVEN

PUB. NO.: 58-150721 [JP 58150721 A]

PUBLISHED: September 07, 1983 (19830907)

INVENTOR(s): HIRAKAWA ZENICHI

APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 57-033668 [JP 8233668]

FILED: March 02, 1982 (19820302)

ABSTRACT

PURPOSE: To prevent a control panel from being contaminated by oil spray from a heating cooker below an electronic range and to allow removal of a second door body for cleansing even if it is contaminated, by a method wherein the second door body is opened only when a control panel is

operated, and the front part of the panel is normally covered and closed with the second door body.

CONSTITUTION: An electronic **oven** body 1 is monolithically mounted on a heating cooker 4 having a gas heater 2 and a gas **oven** 3, and a heating chamber irradiated with microwaves from a magnetron is incorporated therein. A numeral 5 is a first **door** body covering and uncovering the opening of said heating chamber, and a numeral 6 is the **control panel** for said body 1 having a timer knob 7 and various control knobs arranged at the front surface thereof. A numeral 8 is a second **door** body covering and uncovering the front part of said **control panel** and is mounted to the body 9 by means of a detachable hinge 9. A numeral 10 is a **packing** situated to an inner periphery of the second **door** body 8 and makes contact with the front part of the panel while the second **door** body 8 is covering the front part to close the front part. This enables saving of an installing area of an electronic **oven** and prevent the **control panel** from being contaminated.

12/34/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

009501894 \*\*Image available\*\*

WPI Acc No: 1993-195430/199324

**Drying chamber loader and unloader for painted articles - articles moving on roller conveyor to hole where signal opens closure door by power cylinders, ropes and guided rollers**

Patent Assignee: PAVLOV YU V (PAVL-I)

Inventor: PAVLOV YU V; PETROV E N; TYUTCHEV E N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1744391	A1	19920630	SU 4741220	A	19890927	199324 B

Priority Applications (No Type Date): SU 4741220 A 19890927

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1744391	A1		5 F26B-025/12	

Abstract (Basic): SU 1744391 A

Body (1) has hole (2) in side-wall to load/unload painted articles, along side of which are vertical guides (4) to move closure-door (3) up/down parallel to plane of hole (2). Hole has **sealing** disc, vertical guides on outside, and extra sloping guides (5) at level of middle part of hole. Door (3) has rollers (6) throughout its height to move along vertical guides and to interact with extra guides.

Lifting-crane feeds articles to be processed to painting zone and puts them on roller-conveyor (10) (in loading/unloading zone). Signal from **control panel** makes conveyor (10) move painted articles to holes (2) where closure- **door** (3) is raised. Rods of power cylinders (9) are linked to **door** (3) by ropes, to move it parallel to **door** -plane using rollers (6), so that hole (2) is covered and **sealed**. Painted articles are dried at 80-100 deg.C for 10 mins. and signal is given to open **door** to remove articles.

USE/ADVANTAGE - In drying techniques, e.g. appts. to dry painted articles. Heat losses are reduced. Bul.24/30.6.92.

Dwg.1/5

Derwent Class: Q76

International Patent Class (Main): **F26B-025/12**



File 16:Gale Group PROMT(R) 1990-2005/Apr 06  
(c) 2005 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 47:Gale Group Magazine DB(TM) 1959-2005/Apr 06  
(c) 2005 The Gale group  
File 148:Gale Group Trade & Industry DB 1976-2005/Apr 06  
(c)2005 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Apr 06  
(c) 2005 The Gale Group  
File 649:Gale Group Newswire ASAP(TM) 2005/Mar 29  
(c) 2005 The Gale Group  
File 9:Business & Industry(R) Jul/1994-2005/Mar 31  
(c) 2005 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2005/Apr 06  
(c) 2005 The Gale Group  
File 635:Business Dateline(R) 1985-2005/Apr 06  
(c) 2005 ProQuest Info&Learning  
File 112:UBM Industry News 1998-2004/Jan 27  
(c) 2004 United Business Media  
File 20:Dialog Global Reporter 1997-2005/Apr 06  
(c) 2005 The Dialog Corp.  
File 609:Bridge World Markets 2000-2001/Oct 01  
(c) 2001 Bridge  
File 610:Business Wire 1999-2005/Apr 05  
(c) 2005 Business Wire.  
File 613:PR Newswire 1999-2005/Apr 06  
(c) 2005 PR Newswire Association Inc  
File 809:Bridge World Markets News 1989-1999/Dec 31  
(c) 1999 Bridge  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	381787	DRYER? ? OR DRIER? ? OR (DRYING OR DRY()CLEANING)() (MACHINE? ? OR APPLIANCE? ?) OR OVEN? ? OR DISHWASHER? ? OR DISH()WASHER? ? OR (DISH()WASHING OR DISHWASHING)() (MACHINE? ? OR APPLIANCE? ?) OR WHITE()GOODS OR MAJOR()APPLIANCE? ?
S2	997549	SEAL???? OR PACKING? ? OR GASKET? ? OR BLOCKING() (STRIP OR STRIPS)
S3	156	(AIRTIGHT OR AIR()TIGHT OR WATERTIGHT OR WATER()TIGHT OR WATERPROOF OR HERMETIC? OR IMPERMEABLE)() CLOSURE? ?
S4	1872900	DOOR? ?
S5	181761	(CONTROL OR INSTRUMENT) (1W) (PANEL? ? OR BOARD? ? OR ASSEMBLY OR ASSEMBLIES) OR (PANEL? ? OR BOARD? ? OR ASSEMBLY OR ASSEMBLIES) (2N) (DIAL? ? OR SWITCH OR SWITCHES OR KNOB? ? OR CONTROL? ?)
S6	263	S2:S3(S)S4(S)S5
S7	18	S1 (S)S6
S8	14	RD (unique items)
S9	14	Sort S8/ALL/PD,A
S10	14	S1/TI,DE,AB AND S6
S11	3	S10 NOT S7
S12	0	S2:S3(1W)S4(1N)S5
S13	42	S2:S3(3N)S4(3N)S5
S14	35	S13 NOT (S7 OR S10)

S15           4     S1 AND S14  
 S16           4     RD (unique items) [not relevant]  
 S17           31    S14 NOT S15  
 S18           24    RD (unique items)  
 S19           24    Sort S18/ALL/PD,A

9/8/5        (Item 5 from file: 16)

DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

02208336     Supplier Number: 42876708

**ADHESIVES: AUTOMOTIVE POLYURETHANE**

April, 1992

PUBLISHER NAME: McGraw-Hill, Inc.

COMPANY NAMES: \*PPG Adhesives & Sealants

EVENT NAMES: \*330 (Product information)

GEOGRAPHIC NAMES: \*1USA (United States)

PRODUCT NAMES: \*2891430 (Urethane-Based Adhesives); 2891041 (Motor Vehicle Assembly Adhesives)

INDUSTRY NAMES: BUSN (Any type of business); CHEM (Chemicals, Plastics and Rubber)

NAICS CODES: 32552 (Adhesive Manufacturing)

SPECIAL FEATURES: COMPANY

9/8/14       (Item 14 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

0016936144     SUPPLIER NUMBER: 115491875     (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Recipe for success.(Cooking)**

April, 2004

WORD COUNT: 2548     LINE COUNT: 00200

COMPANY NAMES: BSH Bosch und Siemens Hausgerate GmbH--Management

INDUSTRY CODES/NAMES: BUSN Any type of business; HOME Home Furnishings

DESCRIPTORS: Home appliances industry--Management

GEOGRAPHIC CODES/NAMES: 4EUGE Germany

EVENT CODES/NAMES: 200 Management dynamics

FILE SEGMENT: TI File 148

9/7/6        (Item 6 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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02836727     Supplier Number: 43816029 (THIS IS THE FULLTEXT)

**Thermador's Splash at KBIS**

HFD-The Weekly Home Furnishings Newspaper, v0, n0, p151

May 3, 1993

TEXT:

ATLANTA

Thermador made the 'most exhaustive' introductions in its 61 years at the Kitchen/Bath Industry Show here this weekend, displaying 300-BTU burners, 27-inch convection ovens, 36-inch commercial-style ranges, 30-and 36-inch ceramic cooktops, more 36-inch electric cooktops and 36-inch commercial-type cooktops with six burners.

The high-end manufacturer added two ExtraLow sealed-gas elements to existing 30- and 36-inch cooktops. One burner reportedly can be set at 300 BTUs and the other at 365 BTUs to heat sauces, butter, chocolate and the like without double boilers.

According to the Los Angeles company, the low temperature is

maintained by electronic on-off cycles set from an infinite-control knob. All cooktop elements feature easy cleaning; electronic ignition and re-ignition; and brass valves.

The Professional series of commercial-style stainless-steel appliances will be supplemented in the fall with 36-inch dual-fuel ranges similar to current 48-inch models. Three units will be available via special order: six 15,000-BTU gas burners; four elements with 15,000-BTU grill; or the four with griddle - all with electronic ignition.

Each offers a 4.6-cubic-foot electric, convected, pyrolytic self-cleaning oven. Island trim, 12-inch backguard and 22-inch shelf are options.

Matching its 30-inch wall **ovens**, Thermador has added single and double 27-inch units with convection in every chamber. The self-cleaning **ovens** also feature a single control for temperature in 5-degree increments and cooking mode; **doors** without **gaskets**; and the **retractable heat shield below the control panel**. Units have begun to ship in white, black and stainless steel.

Several cooktops have begun to ship. Value-segment ceramic pieces at 30 and 36 inches in virtually frameless white and black provide four rapid-response electric coils.

Another 36-inch electric-coil model adds black enamel, the Griddle 'n' Grill and the Cook 'n' Vent downdraft system. And a six-burner commercial-style cooktop sports six burners.

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9/7/12 (Item 12 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09164408 Supplier Number: 79840020 (THIS IS THE FULLTEXT)

**Walk-in Oven has Digital Controller. (Brief Article)**

Paper, Film & Foil Converter, v75, n10, p30

Oct, 2001

TEXT:

The No. 877 is a 500-deg-F electric walk-in **oven** featuring an aluminized steel interior and exterior; 4-in.-thick insulated walls; heavy-duty **doors** with high-temperature stainless steel spring insert **door gaskets**; a brushed stainless steel **control panel** face; and rear-mounted heat chamber. Also includes a digital programming temperature controller and a manual reset excess temperature controller with separate heating element control contactors.

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9/7/13 (Item 13 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09353300 Supplier Number: 81113334 (THIS IS THE FULLTEXT)

**Electric walk in oven. (Equipment Materials Techniques). (Grieve Corp.) (Brief Article)**

Metallurgia, v68, n11, p24(1)

Nov, 2001

TEXT:

A 500(degrees)F electric walk-in **oven** from Grieve is being used for a variety of heat processing applications. Workspace dimensions of this unit

measure 108in wide x 144in deep x 84in high. 140kW installed in Incoloy sheathed tubular elements heat the workspace, while a 17,500 CFM, 30hp recirculating blower provides a combination airflow to the workload.

The walk-in **oven** , No 877, features 4in thick insulated walls, heavy-duty **doors** with high-temperature stainless steel spring insert **door gaskets** , a brushed stainless steel **control panel** face and rear-mounted heat chamber.

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9/3,K/1 (Item 1 from file: 160)

DIALOG(R) File 160:Gale Group PROMT(R)

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01751110

**A new line of gas and electric wall ovens has been introduced by Maytag.**

News Release June 17, 1987 p. 1

A new line of gas and electric wall **ovens** has been introduced by Maytag. The three electric models are highlighted by the CWE1000, a 27-inch large-capacity convection/radiant **oven** with computer touch controls. The state-of-the-art **control panel** features function pads for cooking commands, number pads for entering time and temperatures and a...

... Further, the convection baking feature adds a professional touch to cooking by browning foods, thus **sealing** in flavor. Maytag's Models CWE701 and CWE601 also feature 27-inch large-capacity radiant bake **ovens** , with the Model CWE701 offering the temperature probe and electronic clock **control** . The **control panels** of both units use pull-off control knobs for easy cleaning. All three wall **oven** designs include delayed start capabilities, **oven** lights and self-cleaning systems. In addition, the new products represent Maytag's first line of kitchen appliances featuring black glass **door** fronts and panels accented with contrasting pin striping.

Full text available on PTS New Product...

9/3,K/2 (Item 2 from file: 160)

DIALOG(R) File 160:Gale Group PROMT(R)

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01790675

**Amana Designs 'RCS710' For Small-Volume Sites**

Vending Times September, 1987 p. 20

ISSN: 0042-3327

Amana Refrigeration introduced a new commercial microwave **oven** for low-volume locations. The Model RCS710 has 700 watts of power and is equipped...

... alpha-numeric settings for 15-sec increments. A cooking guide is also locted on the **control panel** . The **door** is fitted with Amana's patented non-wearing choke **seal** , and with a see-through window; an interior light comes on when the **oven** is in use. The 1.2 ft<sup>3</sup>-capacity **oven** has a 3-yr limited warranty covering parts, labor and travel...

9/3,K/3 (Item 3 from file: 160)

DIALOG(R) File 160:Gale Group PROMT(R)

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01852629

**PHARMACEUTICAL DRYING OVEN**

News Release November 17, 1987 p. 1

The Grieve No. 630 is a Pharmaceutical Drying **Oven** for use in drying cartridge filters. Workspace measures 60" wide x 84" deep x 72...  
... KW heat input capacity provides operating temperature up to 500 degrees F. The UL Approved **instrument panel** contains a micro-processor based programming temperature controller and a 10" diameter, solid state, circular chart recorder. This **oven** is equipped for fully automatic or manual operation; pilot lights are provided to indicate staging...  
... 304 stainless steel, 2B finish with continuously welded seams. All hardware and components inside the **oven** are stainless steel. The inner **oven** walls extend through the throat area, beyond the outer face, so that the **doors seal** directly against the edge of the inner wall. All ductwork and the blower housing are...  
...000 CFM high efficiency recirculating blower driven by a 7 1/2-HP motor. This **oven** is equipped with a 24" x 24" x 6", 60% efficiency rated pre-filter and...  
... degrees C, 99.99% efficient HEPA filter, in a stainless steel housing with gasketed access **door**.

Full text available on PTS New Product Announcements.

9/3,K/4 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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05448566 SUPPLIER NUMBER: 11181243 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Made-to-order dishwashers.**

Somheil, Timothy

Appliance, v48, n8, p49(3)

August, 1991

ISSN: 0003-6781 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1670 LINE COUNT: 00129

... installs **gaskets** to the **door**, after which switches, panels, and other components that differentiate the **door** models are added. The **dishwasher** escutcheon ( **control panel** ) is made of black, gray, or white Lexan[R], a material from GE Plastics.

Wiring...

9/3,K/8 (Item 8 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06654312 Supplier Number: 55822439 (USE FORMAT 7 FOR FULLTEXT)

**New Products.**

American Machinist, v143, n9, p118

Sept, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 652

... 8-in.-thick insulated walls, an aluminized steel interior and exterior, plus inner and outer **door gaskets**. The inner **gasket seals** directly against the **door** plug, while the other **gasket seals** directly against the **oven** 's front face for optimum **seal** integrity. Up to 7 shelves on 3-in. centers fit inside the unit. Standard equipment...

...separate heating element control contractors, a recirculating blower airflow safety switch, and a UL listed **control panel** (top-mounted to minimize floorspace requirements). The Grieve Corp., Round Lake, Ill...

9/3,K/11 (Item 11 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.  
08723037 Supplier Number: 75348578 (USE FORMAT 7 FOR FULLTEXT)  
**EQUIPMENT & SUPPLY NEWS.**

Woodruff, Cosby W.  
Textile World, v151, n5, p27  
May, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1855

... and Viton seals on shafts. Leeson Electric.  
Circle 125 on reader service card  
Walk-in **oven**, No. 877, heats to 500F. Measuring 108x144x84 in.,  
**oven** heats by 140kW tubular elements, and a 17,500 cfm blower provides  
airflow. Device features aluminized steel interior and exterior, 4-in.  
insulated walls, heavyduty **doors** with steel spring insert **gaskets**,  
brushed stainless steel **control panel** face and rear-mounted heat  
chamber. Controls are digital with manual reset excess temperature  
controller...

11/7/3 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.  
14032402 SUPPLIER NUMBER: 80062621 (THIS IS THE FULL TEXT)  
**Freeze dryer 's a real AdVantage. (Packaging & Technology). (From Biopharma  
Process Systems) (Brief Article)**  
Cosmetics International, 25, 574, 14(1)  
Oct 25, 2001  
TEXT:

Biopharma Process Systems has developed the AdVantage freeze dryer  
which measures just 56cm x 53cm x 66cm, weighs 118kg, is small enough to  
fit on most laboratory benchtops yet offers extensive freeze drying  
capabilities, according to the company.

Manufactured by VirTis and available throughout the UK and Ireland,  
the AdVantage has the flexibility to process bulks, vials or flasks in a  
space-saving design. It is ideal, says the company, for small scale freeze  
drying applications, such as in pilot or research and development  
laboratories.

The AdVantage freeze dryer has shelf temperatures ranging from -70  
(degrees) C to +60 (degrees) C, with process condenser temperatures as low  
as -85 (degrees) C, according to Biopharma Process Systems. It can also be  
supplied with an optional 'Wizard' workstation which includes an IBM(TM)  
compatible computer running Windows(R) software, colour printing and all  
interfacing.

Other features, says the company, include four patented quick-seal  
valves allowing users to process flasks at the same time as the product in  
the tray and a full-view crystal-clear acrylic **door** with double action  
catch to ensure positive **sealing**. An easy to use **panel** mounted Wizard  
**control** system which enables precise control of freezing, primary drying  
and secondary drying operations, is offered as an option, says Biopharma.

Trade Contact, Tel: +44 (0)1962 841092.

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19/8/2 (Item 2 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.  
02975507 SUPPLIER NUMBER: 04513122 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**100% or zero spare parts. (computer equipment and control systems)**  
Oct, 1986  
WORD COUNT: 2268 LINE COUNT: 00186

19/8/3 (Item 3 from file: 621)  
DIALOG(R)File 621:(c) 2005 The Gale Group. All rts. reserv.  
01044032 Supplier Number: 40080452 (USE FORMAT 7 FOR FULLTEXT)  
**COMARK CORPORATION INTRODUCES THE EXPERT A FACTORY HARDENED/PROCESS CONTROL  
WORKSTATION**  
June 10, 1987  
Word Count: 357

19/8/7 (Item 7 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.  
03576117 Supplier Number: 45029015  
**Design Advances**  
Oct, 1994  
PUBLISHER NAME: Business News Publishing Company  
COMPANY NAMES: \*Duralith; McGill Electric Switch; Otto Engineering Inc.  
Otto Controls Div.  
EVENT NAMES: \*330 (Product information)  
GEOGRAPHIC NAMES: \*1USA (United States)  
PRODUCT NAMES: \*3679311 (Snap Action Switches); 3679310 (Switches)  
INDUSTRY NAMES: BUSN (Any type of business); ELEC (Electronics); ENG (Engineering and Manufacturing); HOME (Home Furnishings)  
NAICS CODES: 335313 (Switchgear and Switchboard Apparatus Manufacturing)  
TICKER SYMBOLS: OTTR  
SPECIAL FEATURES: COMPANY

19/3,K/8 (Item 8 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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08298609 SUPPLIER NUMBER: 17772322 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Reaction processes. (equipment) (includes related article)**  
British Plastics & Rubber, p54(1)  
Sep, 1995  
ISSN: 0307-6164 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 672 LINE COUNT: 00057  
... pressure **gasket** machine, the b2G Plus, designed for very low output  
metering as required for **gaskets** for electrical **control panel doors**  
, **sealed** lamps and automotive filters.  
\* The Ecomaster 2 series of high pressure metering units from Impianti...

19/7/19 (Item 19 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.  
10591421 Supplier Number: 105163442 (THIS IS THE FULLTEXT)  
**Cleanliness is never out of place with this washer. (New Products).**  
Marshall, Rebekkah; Ondrey, Gerald  
Chemical Engineering, v110, n6, p42D-6(1)  
June, 2003  
TEXT:  
The cGMP COPwasher range of cabinet cleaners (photo, top left) was

developed to provide a reliable means of supplying repeatable, validated and controllable cleaning out of place (COP). The system incorporates PLC **control** with touch- **panel** interface, has **air-tight** inflatable **door seals** with two-door pass-through designs and uses sanitary tri-clamp connections. The unit does not retain water and has a wash circuit made of 316L stainless steel and PTFE. Applications include the validated cleaning of moveable vessels, tanks, drums, glassware and filling-line components.--Suncombe Ltd., Enfield, U.K.

suncombe.com

(ILLUSTRATION OMITTED)

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19/7/20 (Item 20 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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16061085 SUPPLIER NUMBER: 105913572 (THIS IS THE FULL TEXT)

**Category H approved head and jamb sealing systems. (Products).**

Doors and Hardware, 67, 6, 67(1)

June, 2003

TEXT:

Screw-fastened gasketing and head and jamb gaskets from Zero International, Inc., now offer UL Category H protection for smoke and draft control. The company's selection of screw-fastened gasketing includes neoprene in different forms and shapes, as well as nylon brushes and options for snap-on PVC covers to provide gasketing protection or low-voltage wiring channels. The model #475 head and jamb gasket offers acoustical benefits when used with an integrated sound **control assembly**. The company offers a range of **door seals** backed with pressure-sensitive adhesive for attachment.

Zero International, Inc., 415 Concord Ave., Bronx, NY 10455  
(800/635-5335) [www.zerointernational.com](http://www.zerointernational.com).

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File 2:INSPEC 1969-2005/Mar W4  
(c) 2005 Institution of Electrical Engineers

File 6:NTIS 1964-2005/Mar W4  
(c) 2005 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2005/Mar W4  
(c) 2005 Elsevier Eng. Info. Inc.

File 94:JICST-EPlus 1985-2005/Feb W3  
(c)2005 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2005/Feb W4  
(c) 2005 FIZ TECHNIK

File 96:FLUIDEX 1972-2005/Mar  
(c) 2005 Elsevier Science Ltd.

File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Feb  
(c) 2005 The HW Wilson Co.

File 144:Pascal 1973-2005/Mar W4  
(c) 2005 INIST/CNRS

File 34:SciSearch(R) Cited Ref Sci 1990-2005/Mar W4  
(c) 2005 Inst for Sci Info

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

File 25:Weldasearch-19662005/Feb  
(c) 2005 TWI Ltd

File 323:RAPRA Rubber & Plastics 1972-2005/Feb  
(c) 2005 RAPRA Technology Ltd

Set	Items	Description
S1	18456	(FASCIA OR SWITCH) ( ) PANEL? ? OR ESCUTCHEON? ? OR CONTROL ( ) - (UNIT OR UNITS)
S2	17671	LID OR LIDS
S3	78335	DRYER? ? OR DRIER? ? OR (DRYING OR DRY ( ) CLEANING) ( ) (MACHIN- E? ? OR APPLIANCE? ?) OR OVEN? ? OR DISHWASHER? ? OR DISH ( ) WA- SHER? ? OR (DISH ( ) WASHING OR DISHWASHING) ( ) (MACHINE? ? OR APP- LIANCE? ?) OR WHITE ( ) GOODS OR MAJOR ( ) APPLIANCE? ?
S4	331301	SEAL???? OR PACKING? ? OR GASKET? ? OR BLOCKING ( ) (STRIP OR STRIPS)
S5	138	(AIRTIGHT OR AIR ( ) TIGHT OR WATERTIGHT OR WATER ( ) TIGHT OR W- ATERPROOF OR HERMETIC? OR IMPERMEABLE) ( ) CLOSURE? ?
S6	36737	DOOR? ?
S7	26888	(CONTROL OR INSTRUMENT) (1W) (PANEL? ? OR BOARD? ? OR ASSEMB- LY OR ASSEMBLIES) OR (PANEL? ? OR BOARD? ? OR ASSEMBLY OR ASS- SEMBLIES) (2N) (DIAL? ? OR SWITCH OR SWITCHES OR KNOB? ? OR CONT- ROL? ?)
S8	8	(S1 OR S7) (S) S4:S5(S) (S6 OR S2)
S9	8	RD (unique items)
S10	0	S9 AND S3
S11	8	Sort S9/ALL/PY,A [not relevant]
S12	49	(S1 OR S7) AND (S6 OR S2) AND S4:S5
S13	0	S3 AND S12
S14	41	S12 NOT S8
S15	41	RD (unique items)
S16	41	Sort S15/ALL/PY,A

16/3,K/17 (Item 17 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics  
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00617957

**TITLE: ECO-FRIENDLY ADHESIVES FOR WORLDWIDE USE**

**AUTHOR(S):** MorI M; Ugai M

CORPORATE SOURCE: Sunstar Engineering Inc.

SOURCE: European Adhesives & Sealants; 13, No.4, Dec.1996, p.11/4

ISSN: 0264-9047

JOURNAL ANNOUNCEMENT: 199703 RAPRA UPDATE: 199705

DOCUMENT TYPE: Journal Article

LANGUAGE: English

SUBFILE: (R) RAPRA

...ABSTRACT: parts, in order to protect the environment. Section headings include: organic solvent emissions, vacuum moulding, **instrument panel** vacuum moulding, anti-hydrolysis characteristics, heat resistance improvement, conditions required for **door** trim vacuum moulding, PP adhesion technology, crosslinking for stress relaxation, and the performance of water...

...DESCRIPTORS: COMPANY; CROSSLINKING; ELASTOMER; EMISSION; EMULSIFIER; ENVIRONMENTAL LEGISLATION; ENVIRONMENTAL PROTECTION; ENVIRONMENTALLY FRIENDLY; HEAT RESISTANCE; HYDROCARBON; HYDROLYSIS; **INSTRUMENT PANEL**; LEGISLATION; MATERIAL REPLACEMENT; MATERIALS SUBSTITUTION; MOLDING; MOULDING; PERFORMANCE; PLASTIC; POLLUTION; POLYPROPENE; POLYPROPYLENE; POLYURETHANE; POLYVINYL CHLORIDE; PP; PROPERTIES; PU; PVC; RUBBER; **SEALING**; SOLVENT-BASED ADHESIVE; SURFACE; TABLES; THERMAL STABILITY; THERMOPLASTIC; THERMOSET; VACUUM FORMING; WATER-BASED

File 16:Gale Group PROMT(R) 1990-2005/Apr 06  
(c) 2005 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 47:Gale Group Magazine DB(TM) 1959-2005/Apr 06  
(c) 2005 The Gale group  
File 148:Gale Group Trade & Industry DB 1976-2005/Apr 06  
(c)2005 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Apr 06  
(c) 2005 The Gale Group  
File 570:Gale Group MARS(R) 1984-2005/Apr 06  
(c) 2005 The Gale Group

Set	Items	Description
S1	25488	(FASCIA OR SWITCH) ( ) PANEL? ? OR ESCUTCHEON? ? OR CONTROL( ) - (UNIT OR UNITS)
S2	57293	LID OR LIDS
S3	186916	DRYER? ? OR DRIER? ? OR (DRYING OR DRY( ) CLEANING) ( ) (MACHIN- E? ? OR APPLIANCE? ?) OR OVEN? ? OR DISHWASHER? ? OR DISH( ) WA- SHER? ? OR (DISH( ) WASHING OR DISHWASHING) ( ) (MACHINE? ? OR APP- LIANCE? ?) OR WHITE( ) GOODS OR MAJOR( ) APPLIANCE? ?
S4	425474	SEAL???? OR PACKING? ? OR GASKET? ? OR BLOCKING( ) (STRIP OR STRIPS)
S5	86	(AIRTIGHT OR AIR( ) TIGHT OR WATERTIGHT OR WATER( ) TIGHT OR W- ATERPROOF OR HERMETIC? OR IMPERMEABLE) ( ) CLOSURE? ?
S6	659197	DOOR? ?
S7	91836	(CONTROL OR INSTRUMENT) (1W) (PANEL? ? OR BOARD? ? OR ASSEMB- LY OR ASSEMBLIES) OR (PANEL? ? OR BOARD? ? OR ASSEMBLY OR ASS- SEMBLIES) (2N) (DIAL? ? OR SWITCH OR SWITCHES OR KNOB? ? OR CONT- ROL? ?)
S8	62825	PC=(289156 OR 2891513 OR 289154 OR 363)
S9	496	PC=363315
S10	181	(S1 OR S7) (S) (S2 OR S6) (S) S4:S5
S11	0	S10 AND S9
S12	52	S10 AND S3
S13	3	S10 AND S8
S14	2	RD (unique items) [duplicates]
S15	49	S12 NOT S13
S16	38	RD (unique items)
S17	12	S3/TI,DE AND S15
S18	20	S3(S) S10
S19	9	S17 AND S18
S20	9	S19 NOT S13
S21	7	RD (unique items)
S22	7	Sort S21/ALL/PD,A
S23	40	S12 NOT (S13 OR S19)
S24	22985	S1 NOT S7
S25	50167	S2 NOT S6
S26	1	S24(S) S23
S27	1	S25(S) S23
S28	1	S26:S27
S29	39	S23 NOT S26
S30	31	RD (unique items)
S31	31	Sort S30/ALL/PD,A
S32	3175	(S1 OR S7) AND (S2 OR S6) AND S4:S5
S33	0	S9 AND S32
S34	102	S3/TI,DE AND S32
S35	13	S3/TI,DE AND S10

S36 0 S35 NOT (S12 OR S13 OR S28 OR S23)

22/8/5 (Item 5 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.  
11407614 SUPPLIER NUMBER: 55822439 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**New Products.**  
Sept, 1999  
WORD COUNT: 707 LINE COUNT: 00063  
COMPANY NAMES: North American Manufacturing Co.--Product introduction;  
Watlow Electric Manufacturing Co.--Product introduction; Pyrometer  
Instrument Company Inc.--Product introduction; Inductoheat Inc.--Product  
introduction; Grieve Corp.--Product introduction; Kopaskie Metallurgical  
Inc.--Product introduction  
INDUSTRY CODES/NAMES: BUSN Any type of business; METL Metals,  
Metalworking and Machinery  
DESCRIPTORS: Electronics industry--Product introduction; Laser industry--  
Product introduction; Telecommunications equipment industry--Product  
introduction; Industrial equipment and supplies industry--Product  
introduction  
GEOGRAPHIC CODES/NAMES: 1USA United States  
PRODUCT/INDUSTRY NAMES: 3662373 (Controllers, Signal); 3832830 (Lasers  
for Industrial Use); 3662183 (Scanning Monitors); 3567000 (Industrial  
Furnaces & Ovens )  
EVENT CODES/NAMES: 336 Product introduction  
NAICS CODES: 33429 Other Communications Equipment Manufacturing; 333298  
All Other Industrial Machinery Manufacturing; 33422 Radio and Television  
Broadcasting and Wireless Communications Equipment Manufacturing; 333994  
Industrial Process Furnace and Oven Manufacturing  
FILE SEGMENT: TI File 148

28/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.  
08823851 SUPPLIER NUMBER: 18511927 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**India: technology advances and pushes growth. (food industry)**  
Byrne, Maureen  
Food Engineering International, v21, n3, p52(3)  
June, 1996  
ISSN: 0148-4478 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1459 LINE COUNT: 00117  
... The line also incorporates a pasteurization zone with indirect  
steam heating register and automatic temperature control unit , with a  
blower station at the discharge point.  
When raw materials arrive, they are graded...

31/6/31 (Item 31 from file: 148)  
0016936144 SUPPLIER NUMBER: 115491875 (USE FORMAT 7 OR 9 FOR FULL  
TEXT)  
**Recipe for success.(Cooking)**  
April, 2004  
WORD COUNT: 2548 LINE COUNT: 00200

31/3,K/15 (Item 15 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

06654312 Supplier Number: 55822439 (USE FORMAT 7 FOR FULLTEXT)

**New Products.**

American Machinist, v143, n9, p118

Sept, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 652

... 540

Controls handle the heat

The microprocessor-based SCR Power Series controllers work well for **oven** and furnace manufacturing as well as applications in the heat treating industry, including vacuum furnaces...

...ranges are available for application-matched precision hardening.

Inductoheat Inc., Madison Heights, Mich.

Circle 543

**Oven** is universal

Model AF-1000 is a standard 1,000 [degrees] F high temperature universal **oven**, currently in use for cleaning and heat treating fuel nozzles. The **oven**'s inside workspace dimensions are 24-in. wide, 36-in. deep, and 24-in. high...

...8-in.-thick insulated walls, an aluminized steel interior and exterior, plus inner and outer **door gaskets**. The inner **gasket seals** directly against the **door** plug, while the other **gasket seals** directly against the **oven**'s front face for optimum **seal** integrity. Up to 7 shelves on 3-in. centers fit inside the unit. Standard equipment...

...separate heating element control contractors, a recirculating blower airflow safety switch, and a UL listed **control panel** (top-mounted to minimize floorspace requirements). The Grieve Corp., Round Lake, Ill.

Circle 544

Gas...

31/3,K/24 (Item 24 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08933776 Supplier Number: 77435313 (USE FORMAT 7 FOR FULLTEXT)

Longer-Lasting Latch.(from Elastolatch Inc.)(Brief Article)

C.J.

Appliance Manufacturer, v49, n8, p50

August, 2001

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 664

... from its lower installation, repair, and maintenance costs."

Beverage machines have a double-leaf access **door** consisting of an inner **door** to **seal** the refrigerated storage cabinet and an outer **door** that supports the front **panel**, vending **controls**, and provisions for money change and collection.

The function of the latch is to secure...

...potable-water applications in accordance with NSF Standard 61. The compounds can be used in **dishwasher** hoses, coffee makers, refrigerator ice makers, water coolers, beverage dispensers, and other potable-fluid devices...

31/3,K/28 (Item 28 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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10195666 Supplier Number: 88129967 (USE FORMAT 7 FOR FULLTEXT)

**Attachment anxiety: high-tech components used in appliances put more demands on adhesives and sealants. (Fastening & Joining). (Brief Article)**

Salerni, Christine; McGrath, Sean

Machine Design, v74, n10, p90(3)

May 23, 2002

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 1317

... and flange sealants.

Cyanoacrylates are used for general-purpose bonding of switches located on the **control panel**, to attach rubber pads to the washer's base legs and bumpers to the **lid**, to bond brake pads to brake shoes, and to affix identification tags to motor housings. In the tumbler drum, cyanoacrylates bond felt to the air **seals**, and hot melts bond the liner to the drum.

Cyanoacrylates or instant adhesives cure rapidly...

...to gasketing, sealing, and caulking applications, and are frequently used to seal stove tops and **dryer** doors, and act as liquid-gasketing materials on motors in appliances.

Light-cure adhesives come...

...plastic or paper filters to metal components in air purifiers and air conditioners.

Most clothes- **dryer** adhesive applications are similar to those of washing machines, with a few exceptions. Light-cure...

...wire harnesses, fasten labels and tags, and attach plastic hoses to inlets and felt to **dryer** drums, as well as for general-purpose bonding and potting.

APPLIANCE APPLICATIONS

Refrigerator manufacturers rely...

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200521

(c) 2005 Thomson Derwent

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

Set	Items	Description
S1	237477	(FASCIA OR SWITCH) ( ) PANEL? ? OR ESCUTCHEON? ? OR CONTROL ( ) - (UNIT OR UNITS)
S2	147960	LID OR LIDS
S3	150852	DRYER? ? OR DRIER? ? OR (DRYING OR DRY ( ) CLEANING) ( ) (MACHIN- E? ? OR APPLIANCE? ?) OR OVEN? ? OR DISHWASHER? ? OR DISH ( ) WA- SHER? ? OR (DISH ( ) WASHING OR DISHWASHING) ( ) (MACHINE? ? OR APP- LIANCE? ?) OR WHITE ( ) GOODS OR MAJOR ( ) APPLIANCE? ?
S4	964927	SEAL???? OR PACKING? ? OR GASKET? ? OR BLOCKING ( ) (STRIP OR STRIPS)
S5	525	(AIRTIGHT OR AIR ( ) TIGHT OR WATERTIGHT OR WATER ( ) TIGHT OR W- ATERPROOF OR HERMETIC? OR IMPERMEABLE) ( ) CLOSURE? ?
S6	253084	DOOR? ?
S7	75452	(CONTROL OR INSTRUMENT) (1W) (PANEL? ? OR BOARD? ? OR ASSEMB- LY OR ASSEMBLIES) OR (PANEL? ? OR BOARD? ? OR ASSEMBLY OR ASS- SEMBLIES) (2N) (DIAL? ? OR SWITCH OR SWITCHES OR KNOB? ? OR CONT- ROL? ?)
S8	103	(S1 NOT S7) (S) (S2 OR S6) (S) S4:S5
S9	4	S3 AND S8
S10	4	(S1 OR S7) (S) (S2 NOT S6) (S) S4:S5 AND S3
S11	1	S10 NOT S9 [not relevant]

9/7/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013539656 \*\*Image available\*\*

WPI Acc No: 2001-023862/200103

**Material drier device for use with washing machine for drying clothes,  
has tubular blanket of connected neoprene pipes through which hot water  
is circulated, provided in wet clothes drawer inserted in chamber**

Patent Assignee: MMATS INC (MMAT-N)

Inventor: GLOWACKI W; GUNN D; HOFFMAN K H; PASTORE M W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6151795	A	20001128	US 97876143	A	19970613	200103 B
			US 98153694	A	19980915	

Priority Applications (No Type Date): US 98153694 A 19980915; US 97876143 A  
19970613

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6151795	A	12	F26B-013/30	CIP of application US 97876143 CIP of patent US 5806204

Abstract (Basic): US 6151795 A

NOVELTY - A removable drawer (202) containing the wet clothes and  
inserted in each drying chamber (211) is provided with a tubular  
blanket (201), positioned above the interior of the drawer. The tubular  
blanket is constructed by connecting several neoprene pipes through  
which hot water flows.

DETAILED DESCRIPTION - The drying chambers are provided inside a  
housing (10). Each chamber is hermetically sealed and operated  
independently and have a common vacuum pump (18), which forms a vacuum  
of 28 inches of mercury at the start of the cycle. A preheating tank

(94) maintains the temperature of hot water at about 175degreesF. A heating surface (203) comprising many tubes and aluminum plates, with a gap (216) in between the edges of adjacent plates mounted on plastic supports (215), is provided below the drawer in each chamber. A resealable door is provided to each chamber for inside access to insert and remove the drawer. A cold condensing surface (204) having aluminum strips and tubes is provided in the lower portion of each chamber. The hot water from the preheating tank is circulated through the heating surface and the tubular blanket to heat the chamber. A water collector tank (114) collects the water condensed by a precooling coil (106). A compressor (92) pressurizes and supplies a refrigerant through an expansion valve (108) to the precooling coil. A neoprene membrane (200) is laid over the tubular blanket. A sensor **control unit** determines the relative moisture and pressure in the chamber and controls temperature of the compressor cycle operation.

USE - In conjunction with washing machine for drying clothes.

ADVANTAGE - Offers a **drier** device which excels in energy efficiency which dries material in short time by reducing pressure of the drying chamber which results in reducing temperature required for drying. Forms flexible tubular blanket by which the hot blanket is pressed against the material accommodated in the chamber improving the efficiency of drying. Controls the operation cycle of the **drier** by sensor control, which determines the operation cycle from the moisture content and pressure of drying chamber. Avoids the requirement of inflow air which affects the vacuum of the chamber.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic flow diagram of the material **drier** .

Housing (10)  
Common vacuum pump (18)  
Compressor (92)  
Preheating tank (94)  
Precooling coil (106)  
Expansion valve (108)  
Water collector tank (114)  
Neoprene membrane (200)  
Tubular blanket (201)  
Drawer (202)  
Heating surface (203)  
Cold condensing surface (204)  
Drying chamber (211)  
Plastic support (215)  
Gap (216)

pp; 12 DwgNo 1/7

Derwent Class: Q76; X25; X27

International Patent Class (Main): F26B-013/30